

Title (en)  
Tail rotor for rotor craft

Title (de)  
Heckrotor eines Drehflügelflugzeuges

Title (fr)  
Rotor anti-couple pour giravion

Publication  
**EP 0562527 B1 19970910 (EN)**

Application  
**EP 93104691 A 19930322**

Priority  
JP 9698692 A 19920324

Abstract (en)  
[origin: US5306119A] A ducted fan-type tail rotor of a rotor craft in which the tail rotor is surrounded by a tubular duct is provided which includes at least six rotor blades, and pitch horns, each mounted to the respective rotor blades. Each pitch horn is swingable to change a pitch angle of the rotor blade. Some of the pitch horns, the number of which is about a half of the total number of the pitch horns, are mounted to a first type of the rotor blades at a mounting angle larger than a reference mounting angle required to obtain a predetermined thrust, and the remainder of the pitch horns are mounted to a second type of the rotor blades at a mounting angle smaller than the reference mounting angle.

IPC 1-7  
**B64C 27/82**

IPC 8 full level  
**B64C 11/00** (2006.01); **B64C 27/82** (2006.01)

CPC (source: EP US)  
**B64C 11/00** (2013.01 - EP US); **B64C 27/82** (2013.01 - EP US); **B64C 2027/8254** (2013.01 - EP US)

Cited by  
EP0921274A3; CN105923157A; EP0680876A1; FR2719554A1; US5542818A; CN1062225C; EP0680871A1; FR2719549A1; US5566907A; CN1061618C; EP0680872A1; FR2719550A1; US5588618A; CN1062224C; EP0680873A1; FR2719551A1; US5634611A; US9963226B2; EP2706009A1; US9266602B2

Designated contracting state (EPC)  
DE FR

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